

**Iowa Department of Natural Resources
Natural Resource Commission**

ITEM

20

DECISION

TOPIC

Contract with the Omaha-Council Bluffs Metropolitan Area Planning Agency for Carter Lake Water Quality Plan Implementation

Commission approval is requested for a two year-service contract with the Omaha-Council Bluffs Metropolitan Area Planning Agency (MAPA). The DNR, City of Omaha, City of Carter Lake, MAPA, Nebraska Department of Environmental Quality (NDEQ) and the Nebraska Game and Parks Commission (NE G&P) met from November 9, 2006 through March 11, 2008 and the result was the Carter Lake Water Quality Management Plan, May 2008 ("WQ Plan"). The plan is an attempt to rehabilitate and protect Carter Lake that is located on the border between Omaha, Nebraska and the City of Carter Lake, IA.

The Party Members working in cooperation with the local Carter Lake Environmental Assessment and Rehabilitation Water Council and a Technical Advisory Team, as part of a community-based watershed quality management planning process for Carter Lake, produced the WQ Plan. The Parties agreed to cooperate in developing a Water Quality Preliminary Engineering Design (PED) for the lake rehabilitation, including retaining engineering firms to assist in the process of implementing the WQ Plan. The Parties also agreed to cooperate in implementing the PED for lake rehabilitation and to hire engineering firms for the PED. MAPA agreed to serve as the lead agency for purposes of coordinating the Party Members' efforts in the PED Implementation.

The DNR's purpose in entering into this Cooperative Agreement is to commit funds to the Final Engineering Design and Project Implementation of a water quality improvement project for the restoration of Carter Lake.

The contract will begin on the date of commencement and terminate on March 31, 2012. The total amount of this contract shall not exceed \$855,717. DNR shall have the option to renew this contract as long as this contract and any extensions do not exceed a six-year period. DNR's source of funding for this Contract is a program established under Iowa Code 456A.33B, Lake Restoration Plan and Report, known as the State Lake Restoration Program and a Special Appropriation under 83rdGA, SF376.

Joe Larscheid, Fisheries Bureau Chief
Conservation and Recreation Division
March 11, 2010

Carter Lake Restoration Project Budget	Estimated Cost
IN-LAKE	
Alum Treatment	\$1,530,000
Sediment Core Study	\$39,000
Fish Renovation	\$200,000
Targeted Dredging	\$279,300
Watercraft Management	\$87,994
SUB-TOTAL	\$2,136,294
IN-LAKE (watershed interception)	
Wetland Creation / Enhancement / Forebays	\$2,019,000
Shoreline Stabilization	\$899,000
SUB-TOTAL	\$2,918,000
WATERSHED	
Bio Swales / Wet Detention Basins / Vegetated Buffers	\$794,300
ENGINEERING	
Final Alternatives Analysis	\$319,000
Final Design / Permitting / Construction Review	\$647,104
SUB-TOTAL	\$966,104
WATER SOURCE	
Well Construction / Supply Line Modification	\$425,085
Final Design	\$74,915
SUB-TOTAL	\$500,000
OTHER	
Information / Education Program	\$30,700
Information / Education Coordinator	\$172,000
Lake Water Quality Monitoring	\$120,000
SUB-TOTAL	\$322,700
GRAND TOTAL	\$7,637,398

Anticipated project funding partners

Iowa Department of Natural Resources – Lake Restoration Program	\$2,494,624
Iowa Department of Natural Resources – Section 319	\$381,744
Iowa Water Quality Review Board	\$175,000
Nebraska Department of Environmental Quality - Section 319	\$1,120,000
Nebraska Game and Parks Commission	\$2,105,837
Nebraska Environmental Trust	\$400,000
City of Omaha	\$500,000
City of Carter Lake (in-kind)	\$250,000